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Claims

What is claimed is:

1. An isolated *nucleic acid* molecule comprising a *nucleic acid* sequence encoding at least 30 contiguous amino acids of SEQ ID NO:2.
 2. The isolated *nucleic acid* molecule of claim 1, wherein said *nucleic acid* sequence encodes at least 50 contiguous amino acids of SEQ ID NO:2.
 3. The isolated *nucleic acid* molecule of claim 1 further comprising a heterologous polynucleotide.
 4. The isolated *nucleic acid* molecule of claim 3, wherein the heterologous polynucleotide encodes a heterologous polypeptide.
 5. A recombinant vector comprising the *nucleic acid* molecule of claim 1.
 6. An isolated recombinant host cell comprising the *nucleic acid* molecule of 1, wherein said *nucleic acid* molecule is operatively associated with a heterologous regulatory sequence.

7. A method of producing a polypeptide comprising:

- (a) culturing the recombinant host cell of claim 6, under conditions which cause the encoded polypeptide to be expressed; and
- (b) recovering said polypeptide.

8. An isolated *nucleic acid* molecule comprising a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding amino acid residues -26 to 199 of SEQ ID NO:2;
- (b) a polynucleotide encoding amino acid residues 1 to 199 of SEQ ID NO:2; and
- (c) a polynucleotide complementary to any of the *nucleic acid* sequences in (a) or (b) above.

9. The isolated *nucleic acid* molecule of claim 8 wherein said polynucleotide is (a).

10. The isolated *nucleic acid* molecule of claim 8 wherein said polynucleotide is (b).

11. The isolated *nucleic acid* molecule of claim 8 wherein said polynucleotide is (c).

12. The isolated *nucleic acid* molecule of claim 8 wherein the polynucleotide further comprises a heterologous polynucleotide.

13. The isolated *nucleic acid* molecule of claim 12 wherein the heterologous polynucleotide encodes a heterologous polypeptide.

14. A method for making an isolated recombinant vector comprising inserting the isolated *nucleic acid* molecule of claim 8 into a vector.

15. An isolated recombinant vector comprising the isolated *nucleic acid* molecule of claim 8.

16. The isolated recombinant vector of claim 15 wherein the *nucleic acid* molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

17. An isolated recombinant host cell comprising the isolated *nucleic acid* molecule of claim 8.

18. The isolated recombinant host cell of claim 17 wherein the *nucleic acid* molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

19. A method for making an isolated recombinant host cell comprising inserting the isolated *nucleic acid* molecule of claim 8 into an isolated host cell.

20. A method for producing a protein, comprising:

- (a) culturing an isolated recombinant host cell under conditions suitable to produce a polypeptide encoded by the isolated *nucleic acid* molecule of claim 8; and
- (b) recovering the protein from the cell culture.

21. A composition comprising the isolated *nucleic acid* molecule of claim 8 and a pharmaceutically acceptable carrier.

22. An isolated *nucleic acid* molecule comprising a polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding the full-length polypeptide comprising the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-974;

(b) a polynucleotide encoding the mature polypeptide comprising the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-974 and

(c) a polynucleotide complementary to any of the *nucleic acid* sequences in (a) or (b) above.

23. The isolated *nucleic acid* molecule of claim 22 wherein said polynucleotide is (a).

24. The isolated *nucleic acid* molecule of claim 22 wherein said polynucleotide is (b).

25. The isolated *nucleic acid* molecule of claim 22 wherein said polynucleotide is (c).

26. The isolated *nucleic acid* molecule of claim 22 wherein the polynucleotide further comprises a heterologous polynucleotide.

27. The isolated *nucleic acid* molecule of claim 26 wherein the heterologous polynucleotide encodes a heterologous polypeptide.

28. A method for making an isolated recombinant vector comprising inserting the isolated *nucleic acid* molecule of claim 22 into a vector.

29. An isolated recombinant vector comprising the isolated *nucleic acid* molecule of claim 22.

30. The isolated recombinant vector of claim 29 wherein the *nucleic acid* molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

31. An isolated recombinant host cell comprising the isolated *nucleic acid* molecule of claim 22.

32. The isolated recombinant host cell of claim 31 wherein the *nucleic acid* molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

33. A method for making an isolated recombinant host cell comprising inserting the isolated *nucleic acid* molecule of claim 22 into an isolated host cell.

34. A method for producing a protein, comprising:

a) culturing an isolated recombinant host cell under conditions suitable to produce a polypeptide encoded by the *nucleic acid* molecule of claim 22; and

(b) recovering the protein from the cell culture.

35. A composition comprising the *nucleic acid* molecule of claim 22 and a pharmaceutically acceptable